NC/QC/110V-Y14/2021-22/ C1 Date: 19-02-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	163 min	Shall not be less than 30 min
2	Final setting time	275 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.13%	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.08mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.75 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

BDA Lay Out Magnolia Layout Main Road 6

NEWZEN CONSULTANT ★ Bangalore ★

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/ PCC1 Date: 19-02-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	67.45	0 -20	30- 70
10mm	31.80	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	94.70	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.25	60-95	75-100	85-100	
01.18	73.05	30-70	55-90	75-100	
600.mic	46.80	15-34	35-59	60-79	
300.mic	23.15	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

BDA Lay Out Magnolia Layout Main Road 6

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

AE

NEWZEN CONSULTANT ★ Bangalore ★

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/PCC3 Date: 21-02-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	62.70	0 -20	30- 70
10mm	31.55	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-i	Zone-ii	Zone -iii	
04.75	98.20	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.05	60-95	75-100	85-100	
01.18	74.65	30-70	55-90	75-100	
600.mic	48.80	15-34	35-59	60-79	
300.mic	24.35	5-20	8-30	12-40	
150.mic	5.10	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work. .
Cross Road 3

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬೆ.ಮ.ಪ. ಬೆಂಗಳೂರು-10

AE

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/C5 Date: 22-02-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	156 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.18 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.06 mm	Shall not be more than 10 mm
5	Compressive strength e) 3 days (average of three results)	28.95 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Veerasagara Road Cross Road 1

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/PCC6 Date: 22-02-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.55	0 -20	30- 70
10mm	29.30	0 -5	10- 35
4.75mm	4.15	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	84.15	60-95	75-100	85-100	
01.18	70.65	30-70	55-90	75-100	
600.mic	45.25	15-34	35-59	60-79	
300.mic	24.15	5-20	8-30	12-40	
150.mic	5.45	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Veerasagara Road Cross Road 3

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/ PCC8 Date: 23-02-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	66.10	0 -20	30- 70
10mm	32.75	0 -5	10- 35
4.75mm	4.050	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.15	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.45	60-95	75-100	85-100	
01.18	70.25	30-70	55-90	75-100	
600.mic	44.70	15-34	35-59	60-79	
300.mic	21.35	5-20	8-30	12-40	
150.mic	5.95	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Cross Road

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/PCC10 Date: 25-02-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	67.15	0 -20	30- 70
10mm	28.85	0 -5	10- 35
4.75mm	3.75	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-i	Zone-ii	Zone -iii	
04.75	98.10	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.45	60-95	75-100	85-100	
01.18	74.15	30-70	55-90	75-100	
600.mic	46.30	15-34	35-59	60-79	
300.mic	22.15	5-20	8-30	12-40	
150.mic	7.40	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Bharath Nagar 1st Cross Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/C13 Date: 26-02-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	154 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.18 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.07 mm	Shall not be more than 10 mm
5	Compressive strength m) 3 days (average of three results)	28.95 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

3rd Cross Road

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/PCC13 Date: 26-02-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	62.45	0 -20	30- 70
10mm	31.80	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.35	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	81.10	60-95	75-100	85-100	
01.18	73.80	30-70	55-90	75-100	
600.mic	46.35	15-34	35-59	60-79	
300.mic	24.10	5-20	8-30	12-40	
150.mic	7.25	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
3rd Cross Road

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬೆ.ಮ.ಪ. ಪಾಲಿಕೆ-106

Page No. 1/1,

NEWZEN CONSULTANT Bangalore

NC/QC/110V-Y14/2021-22/ PCC15 **Date: 07-03-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	67.45	0 -20	30- 70
10mm	31.80	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	80.25	60-95	75-100	85-100	
01.18	74.05	30-70	55-90	75-100	
600.mic	47.80	15-34	35-59	60-79	
300.mic	24.15	5-20	8-30	12-40	
150.mic	5.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

5th Cross Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/ PCC17 Date: 08-03-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	66.45	0 -20	30- 70
10mm	31.80	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.70	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.25	60-95	75-100	85-100	
01.18	74.05	30-70	55-90	75-100	
600.mic	46.80	15-34	35-59	60-79	
300.mic	23.15	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
6th Cross Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-106

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/C19 Date: 08-03-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	158 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.16%	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.09 mm	Shall not be more than 10 mm
5	Compressive strength s) 3 days (average of three results)	28.45 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

2nd Main Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೧೦೬

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/PCC22 Date: 10-03-2022

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.55	0 -20	30- 70
10mm	29.70	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	80.15	60-95	75-100	85-100	
01.18	73.65	30-70	55-90	75-100	
600.mic	45.25	15-34	35-59	60-79	
300.mic	24.15	5-20	8-30	12-40	
150.mic	6.45	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

3rd Cross Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬೦೦೬೪

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/ C25 Date: 11-03-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	156 min	Shall not be less than 30 min
2	Final setting time	275 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.13 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.08 mm	Shall not be more than 10 mm
5	Compressive strength y) 3 days (average of three results)	28.45 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

6th Coss Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬ.ಮ.ಪಾ. ಬೆಂಗಳೂರು-106

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/CA1 Date: 21-02-2022

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}

Ref.: Material testing/PMC/21-22,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	97.25	85-100	90 - 100
10 mm	46.60	0 - 20	25 - 55
4.75 mm	3.95	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	27.96%	Not to exceed 25 %
2.	Crushing value	28.63%	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.

Sandeep Unni Krishnan Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜ ಪ.ಪಂ.ಸ. ಬೆಂಗಳೂರು-106.

AE

NEWZEN CONSULTANT ★ Bangalore ★

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/CB4

Date: 02-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-02-22	02-03-22	07	22500	365	16.22	**16.15**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	

The result of the materials tested meets the standards and hence can be used for the work.
Main Road 5

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ ಬಿ ಎಂ ಪಿ ಬೆಂಗಳೂರು-

NEWZEN CONSULTANT ★ Bangalore ★

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/CB8

Date: 04-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-02-22	04-03-22	07	22500	370	16.44	**16.22**
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	360	16.00	

The result of the materials tested meets the standards and hence can be used for the work.
Kaveri Layout, 2nd Main Road

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-64

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/CB13

Date: 07-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-02-22	07-03-22	07	22500	365	16.22	16.15
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	

The result of the materials tested meets the standards and hence can be used for the work.
2nd Cross Road

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ ಬ ಪಾ.ಪ. ಬೆಂಗಳೂರು.

AE

Page No. 1/1,

NEWZEN CONSULTANT Bangalore

NC/QC/110V-Y14/2021-22/CB16

Date: 09-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-03-22	09-03-22	07	22500	370	16.44	16.67
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.

5th Cross Road

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಯವರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/CB17

Date: 09-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-03-22	09-03-22	07	22500	380	16.89	16.81
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

The result of the materials tested meets the standards and hence can be used for the work Cross Road

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/CB22

Date: 11-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	04-03-22	11-03-22	07	22500	380	16.89	**16.89**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	390	17.33	

The result of the materials tested meets the standards and hence can be used for the work.
Chandrappa Layout, Bharth Nagar, 2nd Main 2nd Cross Road

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/C24

Date: 12-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	05-03-22	12-03-22	07	22500	370	16.44	16.67
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
4th Cross Road

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಜ.ಜ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/CB27

Date: 15-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-03-22	15-03-22	07	22500	375	16.67	16.74
	002	"	"	"	"	385	17.11	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.
6th Coss Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,

AE

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/CB1A

Date: 22-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-02-22	22-03-22	28	22500	505	22.44	22.59
	002	"	"	"	"	520	23.11	
	003	"	"	"	"	500	22.22	

The result of the materials tested meets the standards and hence can be used for the work.
BDA Lay Out Mangoliya Layout Main Road 6

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10

Page No. 1/1,

NEWZEN CONSULTANT Bangalore

NC/QC/110V-Y14/2021-22/CB6A

Date: 24-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-02-22	24-03-22	28	22500	495	22.00	22.22
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work Veerasagara Road Cross Road 2

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

AE

NEWZEN CONSULTANTS Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/CB12A

Date: 26-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-02-22	26-03-22	28	22500	495	22.00	22.22
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work
Thirumala Nagar, 2nd cross Road

Page No. 1/1,

NEWZEN CONSULTANT Bangalore

NC/QC/110V-Y14/2021-22/CB1

Date: 10-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-03-22	10-03-22	07	22500	310	13.78	13.70
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	315	14.00	

The result of the materials tested meets the standards and hence can be used for the work.
Sandeep Unni Krishnan Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106

Page No. 1/1,

NEWZEN CONSULTANT Bangalore

NC/QC/110V-Y14/2021-22/PB3

Date: 09-03-2022

TEST REPORT

Sub: Testing of Pre-cast Paver Blocks of thickness 60mm.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

Technical Reference*: IS 15658-2006.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	41.35	41.72
2	002	42.05	
3	003	41.85	
4	004	41.65	

The result of the materials tested meets the standards and hence can be used for the work Cross Road 3

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/PB5

Date: 11-03-2022

TEST REPORT

Sub: Testing of Pre-cast Paver Blocks of thickness 60mm.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

Technical Reference*: IS 15658-2006.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	42.05	41.80
2	002	41.70	
3	003	41.30	
4	004	42.15	

The result of the materials tested meets the standards and hence can be used for the work Cross Road 1

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

AE

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

WZEN CONSULTANTS BANGALORE
NEW TECHNOLOGIES TO INNOVATE

NC/QC/110V-Y14/2021-22/PB9

Date: 16-03-2022

TEST REPORT

Sub: Testing of Pre-cast Paver Blocks of thickness 60mm.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

Technical Reference*: IS 15658-2006.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	41.75	41.97
2	002	42.35	
3	003	41.65	
4	004	42.15	

The result of the materials tested meets the standards and hence can be used for the work BDA Lay Out Magnolia Layout Main Road 6

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಂ ಅಧಿಕಾರಿ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-106

AE

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/PB15

Date: 22-03-2022

TEST REPORT

Sub: Testing of Pre-cast Paver Blocks of thickness 60mm.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

Technical Reference*: IS 15658-2006.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	41.75	42.15
2	002	42.15	
3	003	41.95	
4	004	42.75	

The result of the materials tested meets the standards and hence can be used for the work From Doddabettahalli Junction

AE

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/K5

Date: 08-03-2022

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.38	23.45	23.31	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.34	22.90		
3	003	3.40	23.60		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.56	4.55
2	002	4.43	
3	003	4.67	

The result of the materials tested meets the standards and hence can be used for the work
Veerasagara Road Cross Road 1

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT BANGALORE

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NEWZEN WZEN CONSULTANTS BANGALORE
NEW TECHNOLOGIES TO INNOVATE

NC/QC/110V-Y14/2021-22/K13

Date: 15-03-2022

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

3. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.38	23.45	23.20	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.34	22.85		
3	003	3.37	23.30		

4. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.33	4.45
2	002	4.49	
3	003	4.55	

The result of the materials tested meets the standards and hence can be used for the work Kaveri Layout, 4th Cross Road.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ*
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,

NEWZEN CONSULTANT ★ Bangalore ★

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/K17

Date: 19-03-2022

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

3. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.38	23.45	23.13	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.33	22.70		
3	003	3.37	23.25		

4. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.56	4.66
2	002	4.74	
3	003	4.69	

The result of the materials tested meets the standards and hence can be used for the work Sandeep Unni Krishnan Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106.

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/W1

Date: 03-03-2022

TEST REPORT ON WET MIX MACADAM MIX (GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.15	95-100
26.50	—	-
22.40	72.25	60-80
11.20	56.40	40-60
4.75	33.15	25-40
2.36	24.60	15-30
0.600	19.35	8-22
0.075	3.85	0-5

The result of the materials tested meets the standards and hence can be used for the work Kaveri Layout 2nd Main Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಪಾ.ಪ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/W2

Date: 04-03-2022

TEST REPORT ON WET MIX MACADAM MIX (GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	96.35	95-100
26.50	—	-
22.40	74.15	60-80
11.20	56.10	40-60
4.75	32.45	25-40
2.36	23.70	15-30
0.600	18.05	8-22
0.075	3.65	0-5

The result of the materials tested meets the standards and hence can be used for the work Bharath Nagar, Chandrappa Layout 2nd Main Road 4th Cross Road

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-10

AE

NEWZEN CONSULTANT Bangalore

Date: 08-03-2022

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS.383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.19 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.65 %	Not more than 35.0 %
3.	Water absorption, %	0.43 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

The result of the materials tested meets the standards and hence can be used for the work Cross Road in 5th Cross Road

NEWZEN CONSULTANT * Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/DS1

Date: 14-03-2022

1.TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for DBM mix sample.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

TEST RESULTS

Table 1: Properties of DBM (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Dense Bituminous Macadam, Grade-2 as per M.o.R.T&H (IV Revision)-2001 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1258	900
2	Marshall Flow at 60°C, mm.	3.46	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work Thirumala Nagar, 2nd cross Road

Page No. 1/1

NEWZEN CONSULTANT * Bangalore *

NC/QC/110V-Y14/2021-22/DS2

Date: 16-03-2022

1.TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for DBM mix sample.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

TEST RESULTS

Table 1: Properties of DBM (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Dense Bituminous Macadam, Grade-2 as per M.o.R.T&H (IV Revision)-2001 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1256	900
2	Marshall Flow at 60°C, mm.	3.48	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work Kaveri Layout 2nd Main Road

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/CB1

Date: 11-03-2022

1. TEST REPORT ON COARSE AGGREGATE:

Sub: Testing of Coarse Aggregate used in Bituminous Concrete.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

TABLE 1.1 ;

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	22.86 %	Not more than 24.00 %
2.	Combined Flakiness and Elongation index, %	27.54 %	Not more than 35.0 %
3.	Water absorption, %	0.42%	Not more than 2.0 %
4.	Specific gravity	2.62	-------
5.	Soundness	5.39%	Max. 12 % in Sodium Sulphate

. The result of the materials tested meets the standards and hence can be used for the work Thirumala Nagar, 2nd Cross Road.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/110V-Y14/2021-22/BC2

Date: 17-03-2022

1.TEST REPORT ON BITUMINOUS MIXES :
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

TEST RESULTS

A. Type of Construction : **Bituminous Concrete**
1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.42%**

2. **Gradation Test**
TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specfications-2013 BC (Grading - 2)
19.0	100	100
13.2	96.25	90-100
9.5	83.10	70-88
4.75	67.45	53-71
2.36	54.80	42-58
1.18	43.70	34-48
0.600	31.50	26-38
0.300	23.60	18-28
0.150	18.25	12-20
0.075	6.40	4-10

The result of the materials tested meets the standards and hence can be used for the work Cross Road in Kaveri Layout 2nd Main Road

AE

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/110V-Y14/2021-22/BS2

Date: 17-03-2022

1.TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for BC mix sample.
{Project*: Restoration and Improvement of Sainagara, Best Cont, Bharathnagar and Chandrappa Layout, Hill side meadows layout, subhash Chandra Bose layout and surrounding areas in ward no-03 of Yelahanka New Town Su division (PACKAGE NO-14).}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Nandi Constructions, Sri Yogesh..

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1356	900
2	Marshall Flow at 60°C, mm.	3.44	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work
Thirumala Nagar, 2nd Cross Road

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-೫೬

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com